

plurality of sound effects
in a predetermined
sequence or a random
sequence by means of a bi-
polar digital signal. 1

54. A sound reproducing
system for a model train
traveling on a plurality
of rails that uses an
amplified digital control
signal for propulsion and
control, the system
comprising:

a sound unit;
a memory within the
sound unit wherein the
memory stores a plurality
of sound effects at
addresses wherein the
sound effects contain
multiple samples that
emulate a train locomotive
at various conditions; and
a controller connected
to the memory for
recalling at least one of
the sound effects wherein
the controller is an
integrated sound, motor,
and special effects
controller and further
wherein the controller is
controlled by a bi-polar
digital signal and further
wherein the controller
recalls the sound effects
of either one or the
plurality of sound effects
in a predetermined
sequence or a random
sequence by means of the
bi-polar digital signal.

55. The system of Claim
54 wherein the plurality
of sound effects are
analog.

56. The system of Claim
54 wherein the plurality
of sound effects are
digital.

Sub
C/D